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*AMSAT News Service*
*ANS-285*
*October 12, 2025*

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The AMSAT News Service bulletins are a free, weekly news and information service of AMSAT, The Radio Amateur Satellite Corporation. ANS publishes news related to Amateur Radio in Space including reports on the activities of a worldwide group of Amateur Radio operators who share an active interest in designing, building, launching and communicating through analog and digital Amateur Radio satellites.

The news feed on https://www.amsat.org publishes news of Amateur Radio in Space as soon as our volunteers can post it.

Please send any amateur satellite news or reports to: ans-editor [at] amsat.org

You can sign up for free e-mail delivery of the AMSAT News Service Bulletins via the ANS List; to join this list see: https://mailman.amsat.org/postorius/lists/ans.amsat.org/

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## 2025 AMSAT Symposium Takes Place October 17-19, Livestream Available

The 2025 AMSAT Symposium will take Place October 17-19, 2025 in Phoenix, AZ. Registration for the Symposium is still available, but banquet registration has closed.

For those of you who are unable to attend in person, a livestream of Symposium presentations will be available.

The tentative schedule of presentations follows:

*Friday, October 17**
Start Speaker Topic
1:00 PM Introduction/Announcements
1:05 PM AMSAT President Welcome
1:15 PM Cameron Castillo, KJ7ILB ASCENT Team Propulsion
1:45 PM Jim McCullers, WA4CWI Oscar to OsTrax
2:15 PM Andrew Robinson, KA3WDW FoxPlus Mechanical Layout & Design
3:00 PM Heimir Thor Sverrisson, W1ANT Extending Command and Control for GOLF
3:30 PM Frank Bauer, KA3HDO ARISS
4:00 PM Frank Karnauskas, N1UW Youth Initiative
4:30 PM Jim White, WD0E ARDC

*Saturday, October 18**
Start Speaker Topic
8:00 AM Alan Johnston, KU2Y CubeSatSim Update & Demonstration
9:00 AM Agastya Bose, KJ5MSH CubeSatSim

9:15 AM Larry Ryan, W7DGP CubeSatSim
9:30 AM Frederic Raab, KK6NOW Bridging Orbit and Classroom: SatNOGS/CubeSatSim
10:15 AM Burns Fisher, WB1FJ Telemetry for FoxPlus & GOLF CubeSats
10:45 AM Burns Fisher, WB1FJ A New Use for Fox & MESAT-1 Whole Orbit Data Algorithm
11:15 AM Kipton Moravec, AE5IB GOLF-TEE Electrical Power Supply (EPS)
1:00 PM Jerry Buxton, N0JY Engineering / GOLF-TEE Update
2:00 PM Mike Moore, K4MVM FoxPlus Update
2:30 PM AMSAT President Annual General Meeting

* All times are Mountain Standard Time (UTC-7). Arizona does not observe Daylight Savings Time.

The presentations will be live streamed on AMSAT's YouTube Channel <https://www.youtube.com/user/AMSATNA>, recorded and made available for viewing at a later time.
You can view the complete Symposium schedule at https://www.amsat.org/43rd-amsat-space-symposium-and-annual-general-meeting/ .

*[ANS thanks AMSAT for the above information]*

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*AMSAT Remove Before Flight Key Tags Now Available*
*Yes, These are the Real Thing*
[image: image.png]

*Your $20 Donation Goes to Help Fly a Fox-Plus SatelliteIncludes First Class Postage (Sorry – U.S. Addresses Only)Order Today at https://www.amsat.org/product/amsat-remove-before-flight-keychain <https://www.amsat.org/product/amsat-remove-before-flight-keychain/>*

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AMSAT-UK Colloquium Continues

As of publication, he AMSAT-UK Colloquium continues. A livestream of Sunday's proceedings can be found at https://youtube.com/live/RC1p6iS-zwE

Videos of talks will be added to AMSAT-UK's YouTube channel <https://www.youtube.com/@AMSAT-UK>.

*[ANS thanks AMSAT-UK for the above information]*

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*The 2025 AMSAT President's Club Coins Are Here!*
*Celebrating the 40th Anniversary of Amateur Radio on Human Spaceflight*
*Help Support GOLF and Fox Plus.**Join <https://www.amsat.org/join-the-amsat-presidents-club/> the AMSAT President's Club today*
[image: image.png]

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Japanese CubeSats Deployed from ISS

Three Japanese CubeSats were deployed from the ISS using the Japanese J-SSOD on October 10, 2025. Two of the satlelites transmit in the amateur radio bands.

*e-kagaku-1*
CW, DigiTalker, 1.2kbps AFSK, 9.6kbps GMSK  145.840MHz
https://ekagaku-sat.net/   This web site is in Japanese
https://iaru.amsat-uk.org/finished_detail.php?serialnum=888

*BOTAN*
APRS 145.825MHz
Digital 437.375MHz
https://sites.google.com/p.chibakoudai.jp/gardens-04/
https://iaru.amsat-uk.org/finished_detail.php?serialnum=938

*[ANS thanks JAXA and Masahiro Arai, JN1GKZ, for the above information]*
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Changes to AMSAT TLE Distribution for October 10, 2025

Two Line Elements or TLEs, often referred to as Keplerian elements or keps in the amateur community, are the inputs to the SGP4 standard mathematical model of spacecraft orbits used by most amateur tracking programs. Weekly updates are completely adequate for most amateur satellites. TLE bulletin files are updated daily in the first hour of the UTC day. New bulletin files will be posted immediately after reliable elements become available for new amateur satellites. More information may be found at
 https://www.amsat.org/keplerian-elements-resources/
<https://www.amsat.org/keplerian-elements-resources/>.

The following satellite has been added to this week's AMSAT TLE distribution:

CSS (TIANHE-1) NORAD Cat ID: 48274 Chinese space station, possible ham gear aboard

We recognize that the entire space station is referred to as "Tiangong", but use the same identifier as the US Space Force for consistency with other sources of orbital information.

*[ANS thanks Joe Fitzgerald, KM1P, AMSAT Orbital Elements Manager, for the above information]*
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*Need new satellite antennas? Purchase an M2 LEO-Pack from the **AMSAT Store! <https://amsat.org/product-category/hardware/>**When you purchase through **AMSAT, a portion of the proceeds goes towards **Keeping Amateur Radio in Space*
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ARISS News

Amateurs and others around the world may listen in on contacts between amateurs operating in schools and allowing students to interact with astronauts and cosmonauts aboard the International Space Station. The downlink frequency on which to listen is 145.800 MHz worldwide.
*Scheduled Contacts*

*1st Radford Semele Scout Group, Radford Semele, United Kingdom, Direct via GB4RSS *

The ISS callsign is presently scheduled to be NA1SS
The downlink frequency is presently scheduled to be 145.800 MHz
The scheduled crewmember is Jonathan (Jonny) Kim KJ5HKP
The ARISS mentor is MØXTD

Contact is go for: Sat 2025-10-18 08:12:55 UTC 81 deg (test pass with color bars)
Contact is go for: Sat 2025-10-18 09:49:40 UTC 43 deg (actual school event pass)

Many times a school may make a last minute decision to do a Livestream or

run into a last minute glitch requiring a change of the URL but we at ARISS may not get the URL in time for publication.  You can always check https://live.ariss.org/ to see if a school is Livestreaming.

As always, if there is an EVA, a docking, or an undocking; the ARISS radios are turned off as part of the safety protocol.

The crossband repeater continues to be active (145.990 MHz up {PL 67} & 437.800 MHz down),  If any crewmember is so inclined, all they have to do is pick up the microphone, raise the volume up, and talk on the crossband repeater. So give a listen, you just never know.

Note, all times are approximate. It is recommended that you do your own orbital prediction or start listening about 10 minutes before the listed time.

The latest information on the operation mode can be found at https://www.ariss.org/current-status-of-iss-stations.html

The latest list of frequencies in use can be found at https://www.ariss.org/contact-the-iss.html

*[ANS thanks Charlie Sufana, AJ9N, one of the ARISS operation team mentors for the above information]*

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*Want to fly the colors on your own grid expedition?*
Get an AMSAT car flag and other neat stuff from our Zazzle store <https://www.zazzle.com/store/amsat_gear>!
25% of the purchase price of each product goes towards Keeping Amateur Radio in Space
[image: image.png]

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AMSAT Ambassador Activities

AMSAT Ambassadors provide presentations, demonstrate communicating through amateur satellites, and host information tables at club meetings, hamfests, conventions, maker faires, and other events.

AMSAT Ambassador Clint Bradford, K6LCS, says,

“Think a 75-minute presentation on “working the easy satellites” would be appropriate for your club or event? Let me know by emailing me at k6lcsclint (at) gmail (dot) com or calling me at 909-999-SATS (7287)!”

Clint has NEVER given the exact same show twice: EACH of the 150+ presentations so far has been customized/tailored to their audiences.
Scheduled Events

*43rd Annual AMSAT Space Symposium & Annual General Meeting - October 16 thru 19, 2025*
Holiday Inn & Suites Phoenix Airport North
1515 North 44th Street
Phoenix, Arizona 85008
Details at https://www.amsat.org/2025-symposium/

Interested in becoming an AMSAT Ambassador? AMSAT Ambassadors provide presentations, demonstrate communicating through amateur satellites, and host information tables at club meetings, hamfests, conventions, maker faires, and other events.

For more information go to: https://www.amsat.org/ambassador/

*[ANS thanks Bo Lowrey, W4FCL, Director – AMSAT Ambassador Program, for the

above information]*
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Satellite Shorts from All Over

+ October 8, 2025 was the 10th anniversary of the launch of AMSAT's first Fox-1 satellite, AO-85. Although it suffered from a slightly deaf receiver, AO-85 provided amateur service for four years before succumbing to battery failure, supporting thousands of QSOs. Additionally, the satellite returned 6,411,349 frames of telemetry over its lifetime, including experimental data for Vanderbilt University.

+ ARISS's SSTV Series 29 highlighting World Space Week concluded last week with over 3,200 people submitting more than 8,000 image decodes so far. To receive a digital certificate, submit your decodes by 23:59 UTC on Sunday, October 12th to https://ariss-usa.org/ARISS_SSTV/ (Thanks to ARISS)

+ A rumor circulated that CAMSAT's CAS-11 satellite would launch yesterday on the Gravity-1 rocket from a sea launch platform off the coast of Haiyang. Although the launch was successful and the orbital parameters and launch information match the IARU filing for CAS-11, it appears that the satellite was not on board.
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Join AMSAT today at https://launch.amsat.org/

In addition to regular membership, AMSAT offers membership to:

- Societies (a recognized group, clubs or organization).
- Primary and secondary school students are eligible for membership at one-half the standard yearly rate.
- Post-secondary school students enrolled in at least half time status shall be eligible for the student rate for a maximum of 6 post-secondary years in this status.
- Memberships are available for annual and lifetime terms.

Contact info [at] amsat.org for additional membership information.

*73 and remember to help Keep Amateur Radio in Space!*

*This week's ANS Editor,*

*Paul Stoetzer, N8HM*
*n8hm [at] arrl.net <http://arrl.net>*

*ANS is a service of AMSAT, the Radio Amateur Satellite Corporation, 712 H Street NE, Suite 1653, Washington, DC 20002*